

## SAVE MAN LABOR BY USING MORE HORSES, LARGER IMPLEMENTS AND POWER MACHINES



INCREASED EFFICIENCY OF FARM WORK WITH HORSES.

(Prepared by the United States Department of Agriculture.)

In solving farm-labor difficulties, more horses, larger implements and power machinery play an important part. If two horses, which have been driven singly by two men, are combined into a team driven by one man, the efficiency of the horses is as great or greater than before, and one man's time is saved. The two-horse turning plow is in common use in all parts of the country but except on small farms it nearly always will be profitable to replace the two-horse plow by a larger one. Four horses can pull a two-bottom plow as easily as two can pull a single bottom of corresponding size. The two-bottom plow enables a farmer to do what is generally the heaviest work of the year with half the help that would be required if single-bottom plows were used. In hot weather or where the plowing is hard, five or even six horses will sometimes be necessary to keep the plow moving steadily and at a good rate of speed.

**Plowing With Tractors.**  
Experienced tractor users say they can do just as good plowing with a tractor as they did with horses, or even better, and a three or four-horse tractor enables a farmer who has more plowing than can be done with the largest horse-drawn plow further to increase the amount of work which one man can do. One man with a three-horse tractor usually covers a little more ground a day than three men with single plows, and one man with a

four-horse tractor does more than two men with two-bottom horse-drawn plows. The tractor works just as well in hot weather, and if desired can be worked 24 hours a day with two or three shifts of men—a big advantage over horse-drawn outfits.

The spike-tooth harrow is an implement of comparatively light draft, and sometimes it is possible to put an extra section on the average harrow, thereby increasing considerably the ground covered without the addition of any horses to the team. On farms where two-horse harrows are used it is frequently possible to combine the two harrows, hitch the four-horse team, and operate it with one man, thereby releasing the second man for other work.

**Use of Disk Harrow.**  
The disk harrow, both single and double, is found in a wide range of widths, and from two to eight horses. The use of a disk harrow drawn by two horses is not advisable unless only two horses are available for power and the amount of disking to be done is small. A four-horse disk does twice as much work as a two-horse disk without the same expenditure of man labor.

The use of a gang plow drawn by four or more horses, and of big implements for harrowing, rolling and dragging, enables one man to prepare for planting in a given time practically twice as much land as would be possible if he used the traditional two-horse method.

## SELECTION OF SEED CORN IS IMPORTANT

Prepare for Bigger Yields by  
Preserving Supply.

Proper Way is to Choose From Standing Stalks Before First Hard Freeze—Avoid Large Ears on Stalks.

(From the United States Department of Agriculture.)

Selection of seed corn from the standing stalks is one way, and a very easy one, to increase the yields next year. Shortage of good seed corn in many parts of the northern states last spring emphasizes the importance of being prepared next year. Preparation



Field of Corn Showing Good Method of Selecting Seed—The Men Are Searching for Plants That Have Produced Heavily Under Average Conditions and in Close Competition With Less Productive Plants in the Same and Adjacent Hills.

should begin now, for the only proper way to select seed corn is from the standing stalks as soon as the corn matures and before the first hard freeze. Select plenty of seed—enough for your own needs, for replanting if necessary and to supply your less thrifty neighbors who may wait until spring to take their chances of getting good seed from the crib. Well-chosen, home-grown seed of varieties of proven worth in the community, properly dried immediately after it has been gathered and carefully preserved until planting time, produces the best yields.

As soon as the crop ripens, go through the field with seed-picking bags, and husk the ears from the stalks that have produced the best corn without having had special advantages such as space, moisture, or fertility. Avoid the large ears on stalks standing singly with an unusual amount of space around them. Preference should be given the plants that have produced most heavily in competition with a full stand of less productive plants. Late-maturing plants with ears which are heavy because of an excessive amount of sap should be ignored. Sapiness greatly increases the weight and is likely to destroy the quality.

In the central and southern states, all other things being equal, short, thick stalks are preferable. Short stalks are not so easily blown down and permit thicker planting. Thick stalks are not so easily broken down, and in general

**RODENTS STEALING OUR FOOD**  
Rats, Mice and Other Predatory Animals Destroy Millions of Dollars' Worth of Produce.

Millions of dollars' worth of produce in the field and in storage are destroyed each year by rats, mice, pocket gophers, prairie dogs, ground squirrels and predatory animals. As an instance of the harm that has been done in this way, it is said that if prairie dogs were stamped out in the area

are more productive than slender ones. The tendency for corn to produce suckers is hereditary. Other things being equal, seed should be taken from stalks that have no suckers.

Immediately after the seed corn is gathered the husked ears should be put in a dry place where there is free circulation of air and placed in such a manner that the ears do not touch each other. This is the only safe procedure. Good seed is repeatedly ruined because it is thought to be already dry enough when gathered. Many farmers believe that their autumn is so dry that such care is unnecessary. Seed corn in every locality gathered at ripening time will be benefited by drying as suggested. If left in the husk long after ripening it may sprout or mildew during warm, wet weather or become infested with weevils. The vitality of seed is often reduced by leaving it in a sack or in a pile for even a day after gathering. During warm weather, with some moisture in the cobs and kernels, the ears heat or mildew in a remarkably short time.

The best possible treatment immediately after gathering is to string the ears. Ordinarily the best place to hang strings of ears is in an open shed or loft. Wire racks are more convenient and in the end cheaper than bundles. Such racks may be made from electrically welded lawn fencing. The cutting of the fencing into seed-corn racks is done without any waste. Only during unusually damp weather at seed-gathering time will fire be necessary to dry the seed. If heat is employed in a poorly-ventilated room it will do the seed ears more injury than good. If used, the fire should be slow, long continued, and below the seed ears, with good ventilation above them. After hanging in the shed or lying on the racks for two months the seed ears should be as dry as a bone and contain less than 1 per cent of moisture. They can remain where they dried or be stored in mouse-proof barrels, boxes or crates during the winter, but in either case they must not be exposed to a damp atmosphere, for they will absorb moisture and be injured. Some farmers place the thoroughly dried seed ears in the center of a wheat bin and fill the bin with loose, dry wheat.

## BIG TOLL OF BOLL WEEVILS

Insects Prevented Production of About 2,000,000 Bales of Cotton—Other Causes of Losses.

(Prepared by the United States Department of Agriculture.)

Boll weevils prevented the production of about 2,000,000 bales of cotton from 500,000 acres of cotton in 1916, according to a rough estimate by the bureau of crop estimates of the United States department of agriculture. The difficulty of this estimate are formidable and cannot be overcome with satisfaction, but the result does not seem to be unreasonable, the department's estimators say.

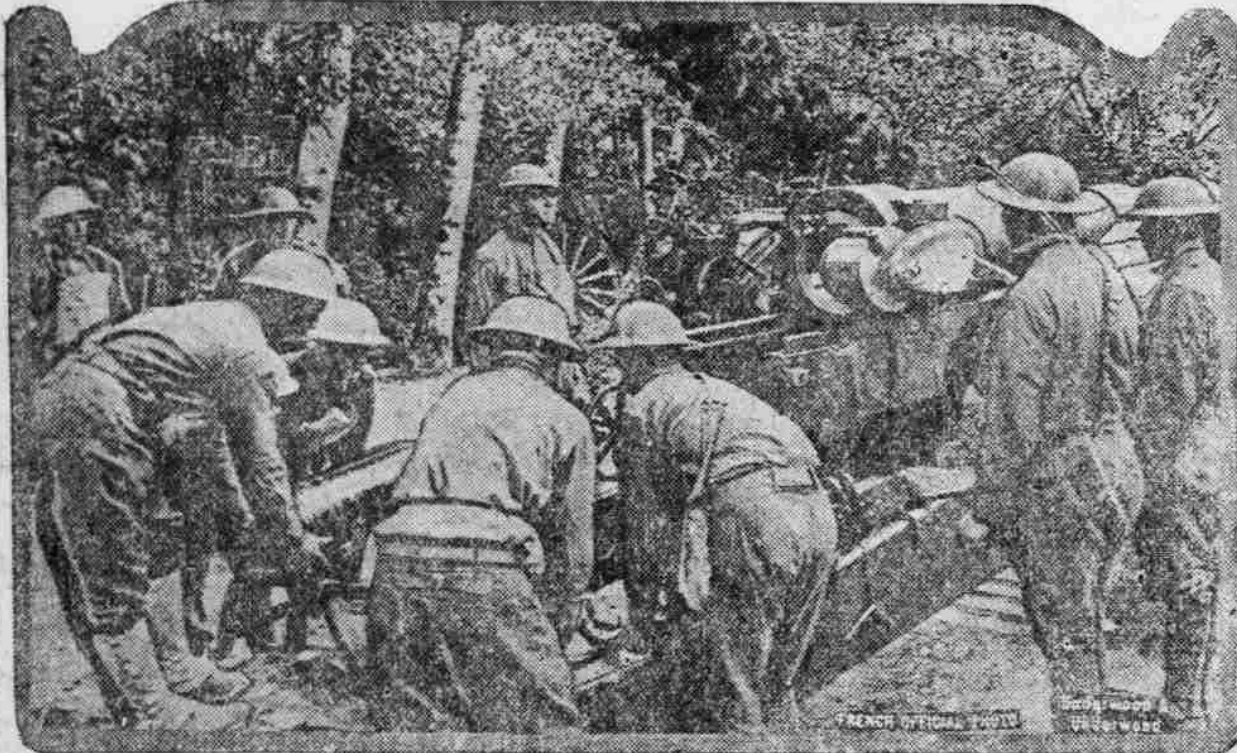
Other causes of crop loss were operating in the same year, such as various features of the weather, worms and plant diseases, and an attempt is made to separate losses due to these causes from those caused by the boll weevil. What could have happened in crop production had the weevil not been a problem is a problem involving uncertainties, and the probability can be only crudely indicated.

**Hay Supply for Calif.**  
When the calf is two weeks old ground grain or prepared meal and bright clean hay should be offered; the quantity fed should be increased as the calf's appetite demands.

**A Mystery.**  
First Riddle—Why are crestfallen, old chaps?  
Second Riddle—Oh, it's that tap sergeant. I wonder why he gets to lord it over us the way he does?  
First Riddle—Rank, my boy, rank!  
Second Riddle—Of course he is. I wonder they keep him.

**Plenty of Them.**  
"Did you come across many fine philistines in your automobile tour?"  
"Sure, we did. We found a police car in every place we struck."

## AMERICAN ARTILLERY IN ACTION BEFORE METZ



Ever since the cleaning out of the St. Mihiel salient the fortifications of Metz have been under the fire of the American artillery.

## WELL-CAMOUFLAGED GERMAN ARTILLERY TRAIN



This photograph shows a German artillery train camouflaged for protection against bombs from French, English and American airplanes. In the foreground are men with an antiaircraft gun.

## CHEERING UP THE WOUNDED



Mrs. Walter Hines Page, wife of the former ambassador to Great Britain and a member of the American Red Cross, is here shown at the bedside of a wounded American soldier in England. American women regularly visit the American wounded in base hospitals and more than 600 have already been enrolled in the "care committee" of the Red Cross.

## WINNER OF GARDEN PRIZE



Mrs. Frank P. Brown of Cincinnati is winner of National Capital Prize No. 1, offered to war gardeners by the national garden commission. She took first prizes amounting in all to \$100, which she invested in War Savings stamps. On a plot 100 by 150 feet she raised enough vegetables for her table all summer, in addition to 125 cases of vegetables she put up, and 25 bushels of potatoes.

**Everyone Satisfied.**  
My little daughter, four, loves to feed her playmates. After passing around bread, butter and sugar to all, she came in and took out one peach. Later I said, "June, tell me how you divided one peach." She replied: "Well, mother, Natty said she just loved skins, and I gave him the core, then I ate the peach."—Cleveland Plaindealer.

**Daily Thought.**  
A noble soul alone can noble souls attract.—Goethe.

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## CANADIAN CAVALRY ROUND UP HUNS



With the fighting on the western front becoming more open, cavalry is being employed in greater numbers. Canadian cavalry made a spirited dash into enemy territory and rounded up thousands of prisoners. This official photograph shows the Huns coming into the infantry line after being driven in by the cavalrymen.

## RECONSTRUCTION OF THE WOUNDED



The last stage of reconstruction of wounded soldiers in Walter Reed hospital is the farming and gardening course. Besides bringing the men into the air and sunlight, the course gives an added impetus to agricultural work as one of the leading after-the-war occupations for returning man power.

**Bird and Insect Migrations.**  
A scientist who has given particular study to the migrations of insects, states that the principles and laws governing the better-known bird migrations have a remarkable parallel in the annual movements of certain members of the insect world, both birds and insects being influenced by meteorological and geographical conditions which deflect and determine the routes, and the psychologies of both birds and insects reacting to the traveling impulses which are unaltered in some cases with anything less than a worldwide distribution.

## CONDENSATIONS

Ten thousand women are filling clerical positions in the offices of the war department at Washington.

With the aid of special oxygen masks airplane experts believe the air fighters will be able to carry on battles five miles above the earth.

Probably the simplest court ivory in the world is that worn in the royal palace of Korea. The emperor's servants are all dressed in garments and headgear of red velvet.

According to a French scientist birthmarks in families not now of good social position indicate that they are of knightly descent, the mark being due to the fact that their possessors' ancestors wore armor.

A crew of 14 framers, two foremen and four riggers in the Supply-Dallas shipbuilding yards, at Portland, Ore., built and placed in position from lumber in the yards 89 frames in 40 1/2 hours. These frames, being double, were built bolted together with 64 screw bolts in each frame, and two coats of carbolium were applied before bolting together.

**Net Contents 15 Fluid Ounces**  
**900 DROPS**  
**CASTORIA**  
ALCOHOL—3 PER CENT.  
A Vegetable Preparation for Assimilating the Food by Regulating the Stomach and Bowels of  
**INFANTS—CHILDREN**  
Thereby Promoting Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. NOT NARCOTIC.  
A Slight Laxative  
Aids the Elimination of  
Biliousness, Wind Colic and Diarrhoea  
and Feverishness and  
Loss of Sleep  
resulting therefrom in Infancy.  
The Slight Laxative of  
Castoria  
THE CENTAUR COMPANY,  
NEW YORK.  
At 6 months old  
35 DROPS—35 CENTS  
Exact Copy of Wrapper.

## HURRY CALL FOR AUNT MARY

Still Time to Save Chicken, Though Usefulness of Bread Dough Was Thing of the Past.

She was entertaining city friends at dinner in her country home. Anxious to have the event as nearly perfect as possible, she had served dinner to her small son and his visiting cousin, Billy, in the kitchen first and then banished them to the back yard. But while she gave apparently undivided attention to her guests' conversation, she was nevertheless conscious of the very frequent opening and closing of the back door, of boys' footsteps, of little chickens' peeping in at the swinging door. But she did not remember until too late that she had carefully covered some bread dough to rise in the one place in the kitchen where the heat was just right—on the little platform under the stove. At last Billy's head bobbed far enough into the room for the company to see his disturbed look and one guest said: "Come here, little boy, to see me, won't you?" "Why," said Billy, encouraged, "I just wanted to tell Aunt Mary that one little chicken is about to get into her bread, and another one can hardly get out."

## LIFT OFF CORNS!

Doesn't hurt at all and costs only a few cents

Magic! Just drop a little Freezone on that tough corn, instantly it stops aching, then you lift the corn off with the fingers. Truly! No humbug!

**Try Freezone!** Your druggist sells a tiny bottle for a few cents, sufficient to try your feet of every hard corn, soft corn, or corn between the toes and calluses, without one particle of pain, soreness or irritation. Freezone is the discovery of a noted Cincinnati genius.

**Superdodging.**  
In New York a draft dodger in his questionnaire listed more than 20 occupations, saying he had worked at them for certain stated periods totaling 215 years. Among these jobs were accountant, blacksmith, bookkeeper, machinist, engineer, typewriter, student, clerk, teacher, ship designer, factory hand, foundry man, draughtsman, auto repairer, a man could have. The government decided that he would be a handy man to have around in spite of his estimated age.

**The Imitative Vocabulary.**  
"A man is known by the company he keeps." "Not so surely as a poll parrot."

## Was Told He Couldn't Live Six Months

But Doan's Brought Mr. Clayton Health and Strength.

C. T. Clayton, 78 N. Broad St., Woodbury, N. J., says: "I had about the worst case of kidney complaint a man could have. My kidneys were in terrible shape. I had sharp, knife-like pains in the small of my back, and my back often gave out entirely. I couldn't stoop to lace my shoes. For two years I was in this helpless condition and didn't do a tap of work and no one thought I would ever be able to work again. In fact, I was told I couldn't live six months. But fortunately I began using Doan's Kidney Pills. They made me feel better from the first and after taking several boxes, I had better strength and health than ever before. I think Doan's are worth their weight in gold, and I recommend them whenever I hear anyone complaining of their kidneys."

Get Doan's at Any Store, 60c a Box  
**DOAN'S KIDNEY PILLS**  
FOSTER-MILBURN CO., BUFFALO, N. Y.

## Children Cry For Fletcher's CASTORIA

## What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other narcotic substance. Its age is its guarantee. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic and Diarrhoea; allaying Feverishness arising therefrom, and by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

## GENUINE CASTORIA ALWAYS

Bears the Signature of

*Chas. H. Fletcher*

In Use For Over 30 Years

The Kind You Have Always Bought

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**COLT DISTEMPER**  
You can prevent this loathsome disease from running through your stable and cure all the colts suffering with it when you begin the treatment. No matter how young, SPONIN is safe to use on any colt. It is wonderful how it prevents all distemper, no matter how colts or horses are exposed. All good druggists and hardware stores and manufacturers sell SPONIN at 50 cents and \$1.15 a bottle. \$5.50 and \$11.00 dozen.  
SPONIN MEDICAL CO., Goshen, Ind., U. S. A.

## It's Acid-Stomach That Makes Millions Sick and Suffer

Life is dark—not worth much to the man or woman with an acid-stomach. Acid-stomach kills Hope, Ambition, Energy, Courage. It saps the strength of the strongest body—disintegrates the blood—causes untold suffering—makes a man or woman a burden on the sympathies of others. They don't seem dangerous at first. Just ailing. Going through life weak, listless, dragging on foot after another. They're nervous and irritable; lack power and much frequent have attacks of blinding, spitting headaches; subject to fits of melancholy and mental depression. And nearly always their stomachs are out of order, even though they eat nothing but the healthiest food. Many experts see the full strength from their food.

So, you see it's just this—acid-stomach—that is holding so many people back—sapping up the strength they should get from their food—taking away their strength and vitality—leaving them weak and inefficient.

Get rid of the excess acid. That's the secret of good health and is the only way to obtain good digestion and assimilation.

**Did This Ever Happen to You?**  
A North side club woman, prominent in D. A. R. and other circles, went picnicking with a group of friends on the Fourth of July. In the course of the day one of the other women lost her handkerchief, and the D. A. R. member generously lent an extra one. A few days ago the handkerchief was returned by the borrower. "It was a daintily embroidered square with hearts and flowers intertwined with the letter 'W'."

There are no "W's" in the family of the D. A. R. woman. She took it with some surprise and said, "Why, that isn't my handkerchief."

"I know it isn't," was the quick reply. "But it's the one that you lent me. I noticed it at the time."—Indianapolis News.

**The Individual and the State.**  
"Do you think satisfactory arrangements can eventually be made with Germany concerning armament and trade?"

"Well," answered Broncho Boh, "I don't pretend to be an international statesman. But I don't see why Germany couldn't be regulated the same as Cactus Joe. Cactus Joe was an awful worrisome man till we passed an ordinance instructing the sheriff to shoot him on sight if he was caught carrying a weapon and jailin' any dealer who sold him a stack of poker chips."

**Home Product.**  
"This oriental prayer rug is a great bargain," said the suave dealer. "It was formerly in the home of a wealthy Turkish banker of Constantinople."

"If what you say is true, this is a widely-traveled rug and has crossed the ocean at least twice."

"How is that?"

"According to this trademark, which your assistant did not quite obliterate, it was made in America."—Birmingham Age-Herald.

**Electric Pencil.**  
A new electric pencil for marking or writing on any polished steel or iron surface is operated as readily as an ordinary pencil. A stepdown transformer connects it to a lighting socket, and as the pencil is drawn over the steel, the resistance to the passage of the current develops great heat, etching the surface at the point of contact. A rheostat gives control of the depth of etching.

**No Trouble With Steering Gear.**  
Laird was used to automobiles, bicycles, and the like, but knew little about horses. In the summer a neighbor boy, who had acquired a pony, came over to share his pleasure. Laird's ride was a great delight to him. Rushing to his mother and expressing his happiness he said: "And, mother, I could steer him all right, too."

Duty is busied with small things. But to the things with which duty works she imparts her own holiness.

The average man learns from his own experience; the wise man from the experience of others.

## Next Day.

It chanced, in the days before the war, that an Englishman in Berlin became acquainted with a young German officer. One day they were lingering over a tete-a-tete luncheon.

The officer got up and said, "I will give you a toast." Raising his well-filled glass, he added: "I drink to 'The Day'!" and there was a smile on his lips which hinted at some hidden jest in his words.

His companion, the Englishman, looked at him quietly.

"Indeed, Herr Lieutenant?" he said: "let me follow your toast with one of my own: 'Here's to 'The Day, After'!"

**No Alternative.**  
"Why are you beating Johnny?" It was the dog that broke the jest. "I can't beat the dog; I belong to the S. P. C. A."—Boston Evening Transcript.

Granulated Eyelids, Bites, Inflamed Eyes relieved over night by Roman Eye Salve. One trial proves its merit. Adv.

Most men would rather get the short end of an argument than keep quiet.

## STOP LOSING CALVES

You can Stamp Abortion Out of your herd and Keep it Out

Write for FREE BOOKLET, "Questions and Answers pertaining to ABORTION IN COWS"

Answers every question. Treat your own cattle at expense. Send for booklet now. Sample bottle of cattle in your herd.

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ANTISEPTIC POWDER

For PERSONAL HYGIENE. Dissolved in water for douches stops pelvic catarrh, ulceration and inflammation. Recommended by Lydia E. Pinkham Med. Co. for ten years.

A healing wonder for sore throat, sore throat and sore eyes. Economical. Has extraordinary cleaning and germicidal power. Sample Free. Sold by all druggists. The Paxton Toilet Company, Boston, Mass.

## BOYS Clear Your Skin With Cuticura

All druggists. Soap 25c. Ointment 25c. Total 50c. Sample each free of Cuticura. Dept. E, Boston.

**PARKER'S HAIR BALM**  
Keeps hair from falling out. Keeps hair from falling out. Keeps hair from falling out. Beauty to Gray or Faded Hair. Sample Free. Dept. E, Boston.

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